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## What is claimed is:

1. A mobile communication system comprising: a mobile station;

a base station disposed in each of service areas for performing radio communication with the mobile station positioned in each of service areas;

a base station controller having channel station data indicative of whether there is a channel between a mobile switching center as a master station thereof and another mobile switching center, said base station controller having means for, when a hand-off control process is to be performed via said mobile switching center as the master station while communicating with said mobile terminal through said base station, determining whether said mobile switching center as the master station has a channel connected to the other mobile switching center or not based on said channel station data, and, if said mobile switching center as the master station has a channel connected to the other mobile switching center, requesting a hand-off control process as a process for switching communication channels for communication with said mobile station; and a mobile switching center as the master

station of said base station controller, for performing a hand-off control process between itself and said other

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25 mobile switching center when said hand-off control process is requested.

A mobile communication system comprising: a mobile station;

one or more base stations disposed in each of service areas for performing radio communication with the mobile station positioned in each of service areas;

one or more base station controllers serving as a master\station of said one or more base stations and having channel station data indicative of whether there is a channel between a mobile switching center as a master station thereof and another system mobile switching center in another system of different specifications | said one or more base station controllers having means fdr, when a hand-off control process is to be performed via said mobile switching center as the master station while communicating with said mobile terminal through said base station during an inter-basestation-controller soft hand-off control process, determining whether said mobile switching center as the master station has a channel connected to the other system mobile switching center or not based on said channel station data, and, if said mobile switching center as the master station has a channel connected to the other system mobile switching center, requesting an

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inter-system hand-off control process as a process for switching communication channels between said mobile station and said other system mobile switching center to said mobile switching center as the master station, and, if said mobile switching center as the master station does not have a channel connected to the other system mobile switching center, requesting an intra-system hand-off control process between said mobile station and the mobile switching center in a home system; and

one or more interconnected mobile switching centers serving as a master station of at least one of said one or more base station controllers, for performing said hand-off control process in a home system when the intra-system hand-off control process is requested, at least one of said one or more interconnected mobile switching centers having a communication channel connected to the other system mobile switching center, for performing a predetermined hand-off control process between itself and said other system mobile switching center when said inter-system hand-off control process is requested.

3. A mobile communication system according to claim 2, further comprising a communication channel between only a mobile switching center adjacent to a

service area of the other system including an overlay and 5 said other system mobile switching center.

4. A mobile communication system according to claim 3, wherein said mobile switching center comprises means for, when said intra-system hand-off control process is requested, selecting a mobile switching center in the home system which has a communication channel connected to said other system mobile switching center, and performing a hand-off control process between itself and the selected mobile switching center.

- 5. A mobile communication system according to claim 2, wherein said home system comprises a mobile communication system according to code division multiple access principles.
- 6. A mobile communication system according to claim 3, wherein said home system comprises a mobile communication system according to code division multiple access principles.
- 7. A mobile communication system according to claim 4, wherein said home system comprises a mobile communication system according to code division multiple access principles.

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